Raleigh Amateur Radio Society, Inc.

RALEIGH AMATEUR RADIO SOCIETY — RARS — WORLDWIDE FRIENDSHIP

CLUB CALL: W4DW

REPEATER: W4DW/R 146.04/64

MARCH 1984

ISSUE 168

LEADING EDGE

SHERMAN STARNES
W4TZU

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At this writing, the OSCAR-10 transponder is still disabled for about two hours before and two hours after perigee (the low point in the orbit). The seasonal eclipse period has ended and full time operation is now scheduled to resume March 1. Each month another net or another bulletin station appears on the satellite. The amateur community is just learning how useful a high-altitude satellite really can be.

Last month I indicated that the Soviet amateur radio satellites, RS-5 through RS-8 had been put on a shortened schedule. Before the RARS Newsletter came out the satellites were back on full time operation with no explanation. Recently, I caught RS-5 far out over the Atlantic and worked England, West Germany, and Portugal, my three best satellite DX contacts within eleven minutes.

Also, last month I mentioned a package of high school experiments scheduled for the Space Shuttle with control and telemetry provided by the Marshall Amateur Radio Club.

(continued inside)

Awards Banquet

The date is March 7--the first Wednesday in March. That's the regular RARS meeting night and you already have that evening set aside, right? OK, then, bring the spouse and attend--but not on Salisbury Street. This month we meet at the NCSU Faculty Club on Hillsborough Street. This is RARS Annual Awards Banquet--our big event of the year. Come early! The social hour begins at 6:00 and bring a few bucks for the "kitty" if you plan to participate. Dinner is $10.00 per person and begins at 7:00. The guest speaker is Bob Thomas, Cable Administrator of Raleigh. I understand his presentation is outstanding. There will be three prize drawings--our regular door prize, the special door prize for paid up 1984 members, and a special drawing for XYLs. Awards will be presented to 1983's outstanding contributors to Ham Radio.

Be there! But let us know in advance! Please don't wait until the last minute. By now you should have been contacted by telephone to get your name in the pot. Cancellations may be accepted as late as noon on Monday March 5. Call me, Ann, WA4APK--home, 851-2437--office, 733-9223. RARS will be obligated for the number of guests provided for. Don't leave the club holding the bag--full of unpaid bills for members who just couldn't make it. Look forward to seeing you at the RARS Annual Awards Banquet on March 7!

EXECUTIVE EDITOR: FRANK C. WEISS, KY4W

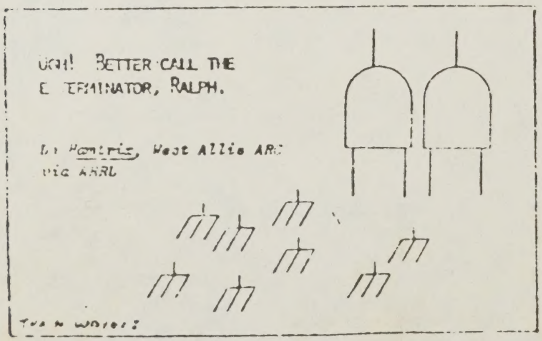
PRODUCTION EDITOR: ANN M. BRADLEY, WA4APK

LEADING EDGE
(continued)

That flight is now scheduled for June 4, but a problem has come up with the person developing the controller and the project is in dire straits. Anyone who might want to help, contact me for details.

In late January I had a phone call from SMØBRU (no DX-he lives in Cary). I discussed satellites and equipment with Bob for some time. It was a pleasure to meet Bob at the February RARS meeting and see the Polaroid shot of his satellite antennas which he had just installed that day. I'm sure he is in for many enjoyable contacts on the satellites. It appears that the satellite user community is beginning to expand around Raleigh so I'm hopeful that we will be able to have a space communications forum for a club program late this year.

AMSAT has "Area Coordinators" for various areas in the U.S. and abroad. The North Carolina Area Coordinator is Jerry Malin, WB2LEI, of Charlotte. You might recognize him as one of the spark plugs at the Charlotte Hamfest each March. Jerry and I are collaborating to operate an AMSAT booth and put on an AMSAT forum at this years Charlotte Hamfest. Doug Loughmiller, KO5I, AMSAT Vice-President for Operations, will come from Texas to help us. We will be selling AMSAT "Future Now" tee shirts, AMSAT belt buckles, back issues of Orbit magazine and a book on satellite tracking software. We can also sign you up for AMSAT membership. Look for the AMSAT booth at Charlotte and visit us for a while.



'NEW LINE

by Bruce Eggers, WA9NEW
President, RARS

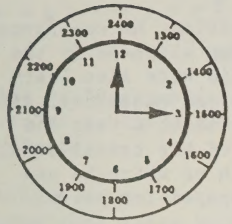
Last month I asked, "Where are we and where are we going?" I think I can tell you where we are. I can't tell you where we are going. That's up to you.

Where is RARS? It's in a crucial stage. RARS is still a bit bigger than the average club. Still has more activities than most. But there's evidence we're slipping. That's not new. My limited experience of 20 years and a dozen clubs indicates that most go through highs and lows. The mean period is probably at least ten years. What brings new highs? Best prevents collapse? There are as many answers as there are clubs but a few threads of consistency are certain. 'New blood' is a must. Dynamic leadership helps. But an involved membership is crucial.

I've developed a theory on the 'critical mass' of a ham club. For a club with the scope of activities of RARS, the critical mass is probably around 100 members. RARS membership was at that level by the end of last year. But we've been a bit slow in getting our membership signed up this year. There's an air of concern on the part of your officers and directors. So what are we doing about it?

1. The new duplexer will give our repeater unprecedented capabilities.
2. A new effort to provide meaningful, interesting programs.
3. A new relationship with the Red Cross for our Public Service work.
4. A VEP committee to prepare us for this new challenge.
5. New members are making vital contributions of time and ideas.
6. Name the Newsletter, 64 on 64, the new CW net, LPM '85, and much, much more, as well as the continuation of the aggressive program of activities of the past. Are YOU with us?

RARS IS WAITING FOR YOU!



MINUTES OF THE MEETING

The regular monthly meeting of the Raleigh Amateur Radio Society was held on February 1, 1984, at the First Presbyterian Church, S. Salisbury Street. President Bruce Eggers, WA9NEW, called the meeting to order and welcomed the members and guests. The roster was signed by 46 people.

Bruce reminded the members of the Annual Awards Banquet to be held next month in place of our regular meeting. It will again be held at the N. C. State Faculty Club. The social hour begins at 6:00 PM followed by dinner at 7:00. All members are urged to attend and bring guests.

There were 10 people at the last Advisory Board meeting. A discussion was held on the possibility of hostessing the LPM meeting in 1985. This subject will be further explored. Also discussed is an inventory of all RARS equipment. Anyone who has equipment, please call Marty Silver, 787-9882, in order that she can make a master list.

Bruce gave the results of investigating a duplexer purchase for the club repeater. At the last meeting, a motion was made and carried to purchase a new duplexer. The cost is more than previously voted on. A new motion was made and seconded from the floor to purchase the duplexer at the new cost. A rather lengthy discussion was held on the purchase versus installing a 220 repeater. The discussion was then closed and the motion was carried to purchase the duplexer for the present repeater.

Bruce reminded all members that they are invited to attend all Advisory Board meetings which are held the 3rd Wednesday of each month, N.C. State Faculty Club, at 7:30 PM.

Ann Bradley, WA4APK, reminded the members there is a "name the newsletter" contest and would like suggestions as soon as possible.

Bruce asked for a member volunteer to take over a column for the newsletter called "Membership Highlights".

Bruce gave more information on the possibility of a radio station on the Elizabeth II. Information is going out to various hams here and the outer banks. A letter from Mike Goodwin, KE4PB, states that he would like to establish a repeater on Bodie Island. Further information on this will be forthcoming.

Bruce still has only 2 feedback responses that was in the December news letter. All members should let their interests be known.

Jim Bradley, WA4AOO, co-chairman of the Hamfest, announced that there are still many vacancies to be filled. He asked each member at the meeting to give their preference for jobs and added their names to the list.

Reid Whitten, AB4W, Emergency Coordinator, gave a report on the emergency service and an upcoming exercise involving North and South Carolina.

Roger Moates, W3EZR, stated that he feels we should let the FM Committee look into a 220 repeater. A motion was made to investigate this possibility and the Advisory Board will take the motion under advisement.

The program for the evening was a presentation of a new Mobile Phone System being installed in this area by a company from France.

The door prize was won by Roger Moates, W3EZR. After coffee, doughnuts and fellowship, the meeting was adjourned.

Marty Silver, NV4H
Secretary, RARS

"WITH THE FEDERAL COMMUNICATIONS COMMISSION, DO YOU HAVE A LICENSE?"

SILENT KEY

WILLIAM H. CARPER (N4FPB)

Bill Carper was widely known and recognized for being an effective and efficient city manager. He was Raleigh's City Manager for 23 years. Not as well publicized was the fact that he had an intense love for his family, his God, his country, his friends, and for his hobbies...one of which was Amateur Radio.

When Bill was growing up in Virginia, he was a Boy Scout and rose to the rank of Eagle Scout. Thats where he first learned Morse code while using wig-wag flaging. Many years later, he was to become totally fascinated with Ham Radio. His son-in-law in South Carolina was a Ham and Bill decided that this would be a great hobby and a way to keep in touch with the family in S. C. So, in 1979 he enrolled in the Novice Class of the Cary Club at State Univ. After getting his novice license he went on to get his General.

One of his closest radio friends was Bob Corns, a RARS member, also a fellow church member and also a member of the square dance team to which Bill belonged. Bob coached Bill on learning code and helped him with several homebrew projects. The last of which,was the construction of an antenna which they hoped to use to make contact with the space shuttle Columbia. Unfortunately, they didn't succeed but Bill was very excited about this project...it turned out to be the last radio project he would undertake.

Bill, at the age of 72, died on 1 Feb from a long fight with cancer. About seven years ago, after a major operation, he was forced to give up flying his own airplane.By the way, he insisted that his wife also learn to fly...just in case of an emergency. After undergoing more surgery about a year and a half ago, he got rid of his travel trailer and speed boat...both of which he and his devoted wife had enjoyed for years.

As an officer in the Civilian Air Patrol, Bill participated in many search operations. Even when he could fly no more, he keep a CAP modified 2 meter rig in his shack to keep in touch with CAP activities.

Bill started on the Ham bands with a Drake TR4C which he got from his son-in -law when the son-in law got himself a Drake TR-7. A year or so later Bill bought himself a TR-7 at the Shelby hamfeast. His antenna for 10-15-20 was a Hy Gain Jr. Beam and he used a dipole for 40 and 80. Other radios for two meters were an Icom and an Azden.

One of Bill's last projects was to start building a radio controlled model airplane. This scale model of the plane he learned to fly in was to be left to a young grandson. It was almost finished when he died ...but not quite.

A member of RARS since 1979, he was quick to volunteer when any help was needed. Bill Carper was a gentleman, a man of many talents and this silent key will be very much missed by his friends, community, and Raleigh Amateur Radio Society...he did everything with enthusiasm and mediocrity was not for him.

"CQ" (Reprinted from the RNARS News Letter, Winter, 1982 edition)

They CQ here, they CQ there,
They CQ every bloomin' where,
The amateurs are on the air,
Keen on finding who and where
To this noble cause aspiring,
Never weary, never tiring;
They want a QSL sent to their station,
From every "Ham Shack" in creation.
On through the night, while others sleep,
Their CQs on the air they heap,
'Til, at last, the dawn will find them,
With lo ts of QSOs behind them.
Now this may be a pleasant way,
For some to pass the time of day,
But carried on into the night,
They're keen - or else their minds ain't right.

.....He Made The Sparks Fly

(From an article in the Kinston Daily Free Press on January 15)

He calls it "disturbing the ether" and he believes he is the first person to ever do it in Kinston.

The "ether" in this case is the sky and the thing that Jesse Hodges did was send the first ham radio signal from these parts.

The year was about 1914 and radio was just a spark of imagination.

Jesse was the son of Edward Marion Hodges who built steam locomotives at his "iron works" near the railroad tracks on Queen Street. Jesse is the child pictured on that old photograph of a locomotive that has graced almost every historical publication in Lenoir County in the past 50 years.

He encountered his first "wireless" on a visit to New Bern where he became intrigued with Marconi's invention aboard the U.S.S. Pamlico, a federal revenue cutter based there. Above the ship was a tall antenna that young Jesse later duplicated with reeds and tobacco twine from his Uncle Roland's farm. He tells the story of the encounter best himself.

"From a cabin on the ship's bridge came sounds of a small thunderstorm. As a lad it was imperative that I get close to such clattering. After a few questions from the man at the gang-way I was soon at the cabin door.

"Oh! Such a beautiful sight! Sitting at the control desk, the operator of all that racket was a man in a bright blue suit punching a gadget, which controlled the storm...The fellow in the blue suit did not hear me or the fuss. His ears being covered with two black biscuits (headphones).

The "storms" of course were the sparks made by the spark gap that received the electrical impulses. Leyden jars (an early battery) supplied the electricity.

Jesse was intrigued with these wondrous things-glass jars that "stored" electricity--miniature lightning that jumped the spark balls on the resonator controlled by an unseen force far away.

At home he began reading and experimenting in a storage shed behind the house. With a wagonload of "junk" he built his first radio. Paper and tinfoil from cigarette packages separated by sheets of window-glass served as a capacitor. His mother helped wind the coil around an outmeal box. (She helped in spite of the fact that Jesse "nearly atomized" himself with a spark coil and dynamite cap at the tender age of 13.) Jesse recalls:

"Of course, along with wireless ideas, I had the matter of going to school. And each activity helped the other."

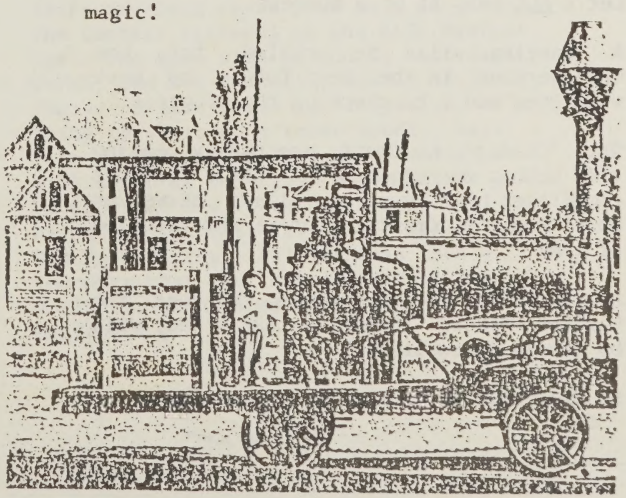
He studied and experimented and experimented and studied. Sparks flew about the room late at night and "Tom" the cat took to sleeping on the other side of the house. The smell of ozone permeated the air.

After graduation from the University of North Carolina with a BS degree in EE in 1925, Hodges returned to Kinston to work with Carolina Gas and Electric Co.

Throughout his career and retirement he has remained active in Ham Radio. His first license bore the call letters "4JG." In 1936 he became W4ELL. Today he operates as W4JG and takes an active roll in the Raleigh Amateur Radio Society.

There are no sparks in Jesse Hodges' workshop now...nor reeds and twine on his roof at 310 Pogue St. But, the memories and the excitement of listening and talking to people in far away places are there.

And to the boy and the man...it's still magic!



Jesse Hodges with one of his father's locomotives in 1905.

HAMFEST FUSS

By
Jim Bradley,
WA4AOO

With the deadline of April 15th growing nearer by the minute (how else?), the chairpersons are as follows in no particular order:

Tickets	Roger, W3EZR
Set-up	Alan, KA4NSA
Sound System	Tom, N4IZE
Prizes/Facility	Chuck, K4HF
Generators	Bill, WB4EOV
Flea Market	Billy, K4BWC
CW Contest	Burt, W4FMN
Homebrew	Johnny WA9SZL
Club Table	Bob, K4MC
Talk-in	Ward, W4RVE
Table rentals	Cecil, KA4JKA
Mailings	Sherman, W4TZU
Vendor Relations	Jeff, WA1WXL
Clean-up	????????
Publicity	Audrey WB4ZSM
Hospitality room	Ann, WA4APK

Others have volunteered to serve on the various committees. All who haven't yet, but would like to help - call the "Chair" of your choice, but act fast, lest ye get the "leftovers", and receive the "Hi there, I'm your Hamfest Co-chairman and NEED you for this-that-and-the-other-job." phone call. Remember, VE HAF VAYS to get you to cooperate.

This is your club, and your Hamfest. Let s ALL help it be a success.

A meeting will be called for the Chairpersons in the near future to meet with Pete and I to check on the progress.

The "Chairs", no doubt, are busily beating the bushes for signups for their various committees but you can always serve on more than one committee for a short period of time.

Armbands will be forthcoming, so that the Hamfest workers (Hosts)---that's us, will be easily recognized.

So grab hold and hang on--HERE WE GO!!!

73- Jim

THE RALEIGH AMATEU

AN ARRL APPROVED (RARS)

HAM

$4.00 GENERAL ADMISSION

ACTIVITIES BEGIN AT 8:00 A.M.

APRIL 15 1984

DURHAM

CRABTREE VALLEY MALL

CRABTREE VALLEY MALL
US 70 WEST
RALEIGH, N.C.

★ PRIZES!!! PRIZ

1ST PRIZE – Choice of either an ICOM IC-74 power supply - OR - An ICOM I with a PS 25 internal power sup with heavy duty AC power supp RARS on this prize.

2ND PRIZE – Kenwood TR 7950 2 meter 45 wa SC assisted RARS on this prize

3RD PRIZE – Telex Hy-Gain Ham IV antenna

MANY OTHER PRIZES WILL BE DRAWN ALL DAY SU

★ E-X-P-A-N-D-E-D- FLEA MARKET (Covered)

★ WALK TO NEARBY MOTE

Howard Johnson–Crabtree Val
Sheraton Crabtree Motor Inn
Ramada Inn–Crabtree
Comfort Inn–Crabtree

★ HOSPITALITY ROOM AT CRABTREE MALL

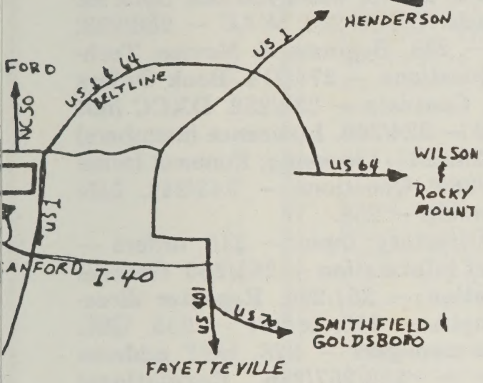
WEST COMMUNITY ROOM ON SATURDAY EVENING
7 till 10 p.m. Social and Door Prizes!

★ SPECIAL INTEREST MEETINGS: M.A.R.S.,

FOR ADDITIONAL INFORMATION, DET
RARS Hamfest, P. O. Box 1712

RADIO SOCIETY'S
12TH ANNUAL

FEST



S!!! PRIZES!!!

F transceiver with a PS 35 internal
1A 2 meter 25 watt multi-mode transceiver
AND a Mirage B3016 160 watt amplifier
G.I.S.M.O. of Rock Hill, SC assisted

M transceiver. G.I.S.M.O. of Rock Hill,

tor. Telex assisted RARS on this prize.

AY!!!

★ CW & HOMEBREW CONTESTS

AND RESTAURANTS

1-919-782-8718
1-919-787-7111
1-919-782-7525
1-919-782-7071

★ TALK-IN SATURDAY AND SUNDAY

W4DW (146.04/146.64)
K4ITL(146.28/146.88)

OTHERS.

S, OR RESERVATIONS WRITE:
aleigh, N. C. 27619

HOMEBREW ?

I have a question for all amateurs! How long has it been since you last home-brewed? No, not with sugar, malt and yeast--but with tubes, transistors, ICs and such. Can you look back and remember that first Heathkit that worked? Or that first Knight that didn't? Did you build your first amp with 811-A's and work the world--along with every TV set in the neighborhood? Do you remember that one-tube CW rig that got 599 reports--from everyone--including the FCC for second and third harmonics?! How about that super regen receiver that was 5-9 when the Xmtr was 5-5--ten miles away?

If you have memories like these and a few more to boot and you still like to do things your way--bring one or two items to the RARS Hamfest Homebrew Contest! Even if it will not work, is not finished, or even if you think it's no good, too old, or too big, etc. Bring it down anyway. You might even win first prize. What's first prize--not very much, but you will know that you built the best! And that it doesn't say "Made in Japan"--well, on second thought, I'll bet the parts will.

Johnnie Mayfield, WA9SZL

CW CONTEST

Start brushing up on your code to enter the Contest featured at the RARS Hamfest. Again the show will be run by Bert Bailey, W4FMN, and Bob Sherrill, KO4P. Bert sez, "Based on last years participation, we're going to start at a lower speed. Last year we started at 20 wpm; this year we will start at 7.5 wpm. Ample prizes will be provided and it is hoped this will bring out the best Tar Heel Fists in the Old North State. All Tarheels should remember that the fastest fist in the world lives in Asheville, i.e., OM McElroy."

RARS gained three new members last meeting! Bill Brandburg, W2BBN; Art Stratemeyer, NW4B; and Robert Brunn, SMØBRU/W4. That's right--a ham from Sweden...and our thanks to Ward, W4RVE for introducing him to RARS. Bill has visited a few times and I hope you all have met him--he'll be an asset to RARS. Art of the Greater Raleigh Antenna Farm is no stranger to RARS. It's about time he found his way back. Glad you all chose to become members. Welcome!

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Some months ago, we entered the ARRL Newsletter Competition and I learned recently in a letter from Gay Milius that our newsletter was runner up in our particular category. That's something to be proud of. Maybe next time---

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The name of the game this month and until April 15 is "HAMFEST." The Chairmen are hustling getting all the details finalized and I hope you've got your Committee picked out and that your duties are clear. We need your help.

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Another tele-conference, March 8. 7:30 pm. Again "88" will the "the station." Chris Imlay and a group of lawyers will discuss the legal aspects of ham radio.

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Cheers to the Carolinas Contest Group. The unofficial report is 1800 QSOs (1.6 megapoints)--280 countries all bands. Art promises a detailed article. Watch for it!!

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By the time you read this, your Newsletter will have a new name. I can't tell you what it is because I don't know yet. But on Feb. 29, the newsletter committee and interested members will meet and consider all suggestions and come up with something appropriate. Your April issue will boast the new masthead. I know you can't please all the people all the time. But I hope we can please most of you people this time.

****

ExtRARS extends deepest sympathy to Marty Silver, NY4H in the loss of her mother on Sunday, February 19.

How to save time and money

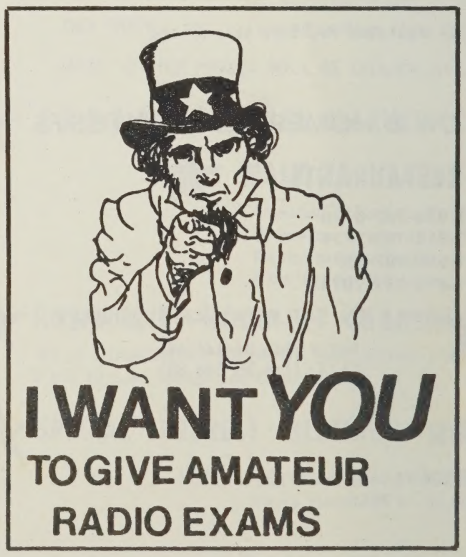
From time to time, it turns out that the one source for information you want is the ARRL. So you call them at (203) 666-1541 and spend minutes (at your expense) waiting for the operator at their end to locate the proper party. Now there's a way out — the "Yellow Pages" for League Headquarters that gives the proper *extension* to ask for when you call. Such as:

Awards: DXCC-233; WAC — 288/269; WAS — 238. **Beginner & Novice**: Technical Questions — 274/214. **Book Orders** — 233. **Contests** — 232/252. **DXCC** (not awards) — 324/206. **Insurance** (members) — 269/288/241. **Licensing**: Renewal forms — 248/269; Questions — 243/242. **Life membership** — 256.

Net Directory: input — 215; orders — 248. **Net information** — 261/260. **General information** — 261/260. **Repeater directory**: input — 215; orders — 233. **QSL bureaus-managers** — 228. **QST address change** — 253/257/256. **Regulations**: routine questions — 243/242/244/240/267. **Technical information service** — 274/214.

— *Daytona Beach Repeater Assn., FL* □

courtesy of-
WORLDRADIO

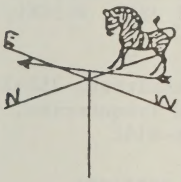


NO EXTRA CHARGE

(AND WORTH EVERY PENNY)

Bruce Eggers

wa9ne 'na w



North, East an' West

Pete, N4HQZ in his column in the February issue of this newsletter aired a personal viewpoint concerning growth in Amateur Radio While he says he will "help any non-ham become a ham," the majority of his words decry growth. Pete is making a highly valued contribution to Amateur Radio in Raleigh. He certainly has a right to his opinion. He certainly has a right to air it. But Pete is a newcomer to the ranks. I must question his perspective.

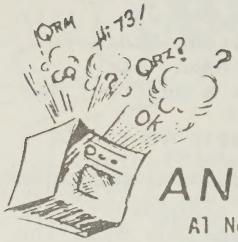
Pete notes there are now some 450,000 calls in the US Callbook our HF bands are overcrowded and even 2 meters is overcrowded in heavily populated areas like NYC I concede some of this is true. But it is not without precedence. By the end of the first decade of this century Amateur stations so dominated the usable portion of the radio frequency spectrum that 28 bills had been introduced in Congress to control the situation. One would have made "wireless" an exclusive government monoploy. As to Pete's concern that the equipment manufacturers will benefit from Amateur growth, we must note that the Marconi Company led the battle to defeat Amateur limiting legislation in this early period. Perhaps not altruistically. Marconi was marketing the best quality "tuners" of the day and better selectivity is always a first good step in overcoming QRM But they also recognized the benefits of encouaging growth and the role Amateurs played in radio development. Oh, yes. How many Amateurs were wreaking such havoc in the radio world? A generous estimate in these pre-licensing days was 4,000

So overcrowding isn't new The first solution was to ban Amateurs to the known-to-be-useless wavelengths shorter than 200 meters. Other solutions have included tuners," CW vs King Spark and (so thought at the time) that terrible atrocity SSB! Narrowband FM (no wider than AM? Impossible!); oscillators aren't stable enough); Amateur sattelites (get serious! Amateurs can't have satellites in space!).

Are the bands overcrowded? Well, 75 meter phone is certainly crowded in the Eastern US from 6pm 'til 11pm. Two meters may be crowded in the NYC area. (They even have several repeaters on 220 and 440 up there!) But did you know there isn t a single machine listed in the directory in the 1215 to 1300 MHz band in all of New York or New Jersy? If you really want to avoid the "taxicabs in NYC" and the "seats on the NY Stock Exchange" syndrome, try the 1240/1260 machine in Bear, Del. I'll bet it isn't overcrowded even at the evening rush hour! Or try to duplicate the random W4TZU to K4HF QSO via RS-7! Speaking of band crowding, 'TZU reports that KL7GNG has worked "more than 52 countries" on AMSAT-OSCAR-10.

We've only got something like 200 MHz on the MF through UHF bands. With only another 475 MHz between 10 cm and 3 cm and not more than 750 MHz of practical spectrum below 1 cm we can only expect to have a paltry few kilohertz each, worldwide, to call our own!

WB4TOP has a 10 gHZ capacity Anybody want to sked? There is no "Mad. Ave." campaign on today That was a few years ago And the result was healthy growth and a lot of darned fine Amateurs, some of whom are RARS stalwarts today So am I for strong, continued growth in Amateur Radio? You bet your sweet astable multivibrator I am! It's good for Amateurs, America, and the public-at-large. (But I'm not sure it'll help Mother's apple Pie!)



SIGNALS AND NOISE

Al Nowakowski, W4VP

One of the benefits of being a DX'er is that you get QSL's via the bureau.

Generally, every month or so, a plain brown envelope with your call in the upper left hand corner arrives in your mailbox.

If you've been very active, it probably contains an assortment of QSL's from around the world. Some of them, the ones with QSO dates a year or more back, are responses to cards you sent via the bureau route.

Some of them are DX'ers after your card. Oh yes, there are county hunters and QSL collectors in other countries to be sure.

Some of the cards are from stations who QSL every contact no matter what. I've got a nice collection of cards from ON4FD and several others who routinely QSL each and every QSO, including contest contacts.

Occasionally, one of the rare goodies you've been waiting for will show up in the envelope. My last batch had a card from a TA1. I had about given up on it. That kind of card brightens up your day!

And then there are the SWL cards.

Generally, these are from eastern Europe, although I've received them from all parts of the world. There are quite a few SWL'ers out there in the world. I get at least one SWL card for every ten QSL cards I receive from the bureau. I suspect the average DX'er runs about the same percentage, although the KW/monobander crowd probably receive more.

I like receiving the SWL cards, and I always send back a card with an encouraging note. I can remember way back when I started SWL'ing with a Knight Kit Space Spanner super-regen receiver. I sent a few SWL reports to the short wave broadcast stations and got nice cards in reply.

But it was the replies I received from hams that encouraged me to stick at it, and eventually get a novice ticket. I mean, after all, it was pretty obvious that I was a kid. I didn't have printed SWL cards, and if the lined notebook paper didn't give me away, my block printing must have.

But some of the fellows I sent those letters to (without return postage, by the way) took the time to reply with a QSL and a few kind words.

I still have those cards somewhere, even though it's been over twenty-five years. There aren't too many, and many of those hams were old timers even back then, so I suppose most of them have passed on by now. I hope that in that great day of judgement, someone notices the little check marks on the good side of their ledgers representing those QSL's. They sure meant a lot to me.

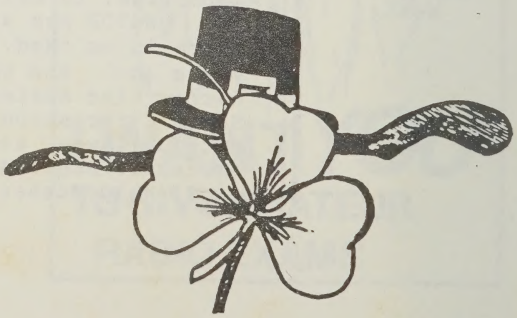
RARS TRADING POST

For Sale: Kenwood TS 832S Tranceiver, $450; VFO, $110; Speaker, $50; AT200 Antenna Tuner, $110. Mint Condition; Original Cartons Icom 2A HT w/speaker mike, battery wall charger, $170. Original Box and manual. Call Jim Call Jim Aderholt, KI4DH, 467-6557

Wanted: 60 to 80 foot guyed or self supporting tower at reasonable cost. Call Jeff, WA1WXL, 848-1208

For Sale: Collins 32S-1 transmitter, 75S-3 receiver. Operates on new WARC frequencies. $375 for both. Norm, KN4G, 876-4192

Wanted: One to four 25G tower sections. Norm, KN4G, 876-4192



RALEIGH AMATEUR RADIO SOCIETY, Inc.

P. O. BOX 17124 • RALEIGH, NORTH CAROLINA 27619

ATTENTION ADVERTISERS

Raleigh Amateur Radio Society is now accepting advertising for the RARS Newsletter! Your ad can reach the active hams of the Raleigh area, delivered directly to their homes monthly, at amazingly low cost. Present your products and services to the leading purchasers of electronics and computers. Your camera-ready ad can run in the next issue! Special rates for business cards and Hamfest vendors. Make your ad dollars go further. Advertise in the RARS Newsletter!

Advertisement Size	12 Issues	6 Issues	3 Issues	One Time
Two page Spread (12"x7 1/2")	$400.00	$220.00	$120.00	$40.00
Full Page (6"x 7 1/2")	250.00	140.00	75.00	25.00
One-half Page (6" x 3 3/4")	175.00	95.00	52.00	17.50
One-quarter Page (3" x 3 3/4")	100.00	60.00	30.00	10.00
Business Cards (2" x 3 1/2")	25.00 (Yearly Basis Only)			

SPECIAL!! HAMFEST ADS - USE ONE TIME PRICE LESS 20%

Minimum term of advertisement is three (3) months in order to qualify for the above rates. Ads should be furnished as "Camera ready copy." Material furnished on 8½ x 11 page size or fraction therof will be reduced 25% to fit newsletter page size of 7 x 8½. Advertisers will be sent a complementary copy of each issue of the newsletter in which his ad appears.

Payment for advertisement must be made at time of ad placement.

One time rates apply to runs of one or two months only for time dependent items such as one-time sales and annual events.

ALL ADVERTISING COPY -- PAYMENTS - INQUIRIES TO:

Al Nowakowski, W4VP, Bus. Mgr.
RARS Newsletter
4741-H Courtney Lane
Raleigh, North Carolina 27604

CHECKS SHOULD BE MADE PAYABLE TO: Raleigh Amateur Radio Society

RALEIGH AMATEUR RADIO SOCIETY, INC.
P. O. BOX 17124
RALEIGH, NORTH CAROLINA 27619

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Permit No. 1731

RARS meets each first Wednesday at 7:30 p.m. in the West Community Room of Crabtree Valley Mall.
First Presbyterian Church - 116 South Salisbury St.

Calendar

Mar 7 - RARS Annual Awards Banquet
6 pm NCSU Faculty Club

Mar 17, 18 - NC State ARRL Conv
and Hamfest, Charlotte, NC

Mar 20 - Deadline for FCC Exams for
Charlotte, NC, April 3

Mar. 21 - RARS Advisory Board Mtng.
NCSU Faculty Club 7:30 pm
All Members Welcome!

Mar 24, 25 - CQ WW WPX Contest, Phone

Apr 4 - Regular RARS Meeting
116 S. Salisbury St. 7:30 pm

Apr. 15 - RARS 12th Annual Hamfest
Crabtree Valley Mall